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09/682,363

8/24/2001

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FORM			First Named Inventor	Anthony C	Anthony C. Zuppero		
			Art Unit	1753			
(to be used for a	ll correspondence after init	ial filing)	Examiner Name	Alan D. Di	amond		
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Printed name	Eunhee Park, Esq.						
Date October 21, 2004				Reg. No.	42,976		
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Application Number

First Named Inventor

Filing Date

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Application Number	09/682,363	
Filing Date	8/24/2001	
First Named Inventor	Anthony C. Zuppero	
Art Unit	1753	
Examiner Name	Alan D. Diamond	
Attorney Docket Number	22122878-6	

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	2	US- 4753579	06-1988	Murphy	
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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> Complete if Known **Application Number** 09/682,363 Filing Date 8/24/2001 First Named Inventor Anthony C. Zuppero Art Unit 1753 **Examiner Name** Alan D. Diamond

Attorney Docket Number 22122878-6

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Examiner Name	Alan D. Diamond		
Attorney Docket Number	22122878-6		

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Application Number	09/682,363
Filing Date	8/24/2001
First Named Inventor	Anthony C. Zuppero
Art Unit	1753
Examiner Name	Alan D. Diamond
Attorney Docket Number	22122878-6

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Examiner Initials	Cite No. <sup>1</sup>	item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	۱
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Attorney Docket Number	22122878-6	

	U.S. PATENT DOCUMENTS				
Examiner Initials		Document Number Number- Kind Code <sup>2</sup> (if known	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		us- 4,590,507	05-20-1986	CAPASSO, et al.	Figures Appear			
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	1	REE, J. et al., "Dynamics of Gas-Surface Interactions: Reaction of Atomic Oxygen with Chemisorbed Hydrogen on TUNGSTEN,"	1
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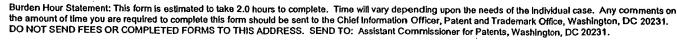
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	3	TRIPA, C. E. et al., "Kinetics measurements of CO photo-oxidation on Pt(111)," J. Chem. Phys., Vol. 105, No. 4, 22 July 1996, pages 1691-1696, especially the disclosure beneath the paragraph header "C. Cross section determination methods" on page 1693.	
	4	NOLAN, P. D. et al., "Molecularly chemisorbed intermediates to oxygen adsorption on Pt(111): A molecular beam and electron energy-loss spectroscopy study," J. Chem. Phys., Vol. 111, No. 8, 22 August 1999, pages 3696-3707, especially figure 9 and the description of figure 9 set forth on page 3702,	
		2nd full paragraph et seq.	
·	5	REE, J. et al., "Reaction of atomic oxygen with adsorbed carbon monoxide on a platinum surface," J. Chem. Phys., Vol. 104, No. 2, 08 January 1996, pages 742-757, particularly the abstract and page 753.	
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		Application Number	09/682,363	
IN	FORMATION DISCLOSURE	Filing Date	8/24/2001	
ST	TATEMENT BY APPLICANT	First Named Inventor	Anthony C. Zuppero	
•	(Use as many sheets as necessary)	Art Unit	1753	
	<u> </u>	Examiner Name	Alan D. Diamond	
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INCORMATION DISCLOSURE	Filing Date	8/24/2001	
INFORMATION DISCLOSURE	First Named Inventor	Anthony C. Zuppero	
STATEMENT BY APPLICANT	Art Unit	1753	
(Use as many sheets as necessary)	Examiner Name	Alan D. Diamond	

Attorney Docket Number

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	1	DIESING, D. et al., "Aluminium oxide tunnel junctions: influence of preparation technique, sample geometry and oxide thickness," Thin Solid Films 342 (1999), pages 282-290, received 26 February 1998; accepted 11 September 1998.						
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Examiner Name	Alan D. Diamond				
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	5	G.H. TAKAOKA et al., "Preparation and catalytic activity of nano-scale Au islands supported on Ti02", Nuclear Instruments & Methods in Physics Research, Section - B: Beam Interactions with Materials and Atoms, North-Holland Publishing Company, Amsterdam, NL, Vol. 121, No.1, 1997, pages 503-506,						
!		XP004057973, abstract.						
	6	P. AVOURIS et al., "Electron-Stimulated Catalysis Device", IBM Technical Disclosure Bulletin, Vol. 25, No. 12, May 1, 1983, pages 6378-6379, New York, US, XP002219954.						
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Art Unit	1753		
Examiner Name	Alan D. Diamond		
Attorney Docket Number	22122878-6		

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INFORMATION DISCLOSURE	Filing Date	8/24/2001
STATEMENT BY APPLICANT	First Named Inventor	Anthony C. Zuppero

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STATEMENT BY APPLICANT		Anthony C. Zuppero
(Use as many sheets as necessary)	Art Unit	1753
	Examiner Name	Alan D. Diamond
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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	No.1 No.1 No.1 No.1 No.1 No.1 No.1 No.1						
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	Application Number	09/682,363	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Filing Date	8/24/2001	
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	Examiner Name	Alan D. Diamond	

Attorney Docket Number

22122878-6 **U.S. PATENT DOCUMENTS** Document Number Examiner Cite **Publication Date** Name of Patentee or Pages, Columns, Lines, Where Initials' No. MM-DD-YYYY **Applicant of Cited Document** Relevant Passages or Relevant Number- Kind Code<sup>2</sup> (if know Figures Appear us- 6,232,546 05-15-2001 DiMatteo et al. us- 6,396,191 05/28/2002 Hagelstein et al. us- 5,057,162 10/15/1991 Nelson 3 us- 5,593,509 01/14/1997 Zuppero et al. US-US-US-US-US-US-US-US-US-US-USus-US-US-US-US-

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xaminer nitials	Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Application Number	09/682,363	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Filing Date	8/24/2001	
	First Named Inventor	Anthony C. Zuppero	
	Art Unit	1753	
	Examiner Name	Alan D. Diamond	

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Attorney Docket Number 22122878-6

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Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date  MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	С	US-6,399,397	06-2002	Zarling et al.	
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Examiner Name	Alan D. Diamond			
Attorney Docket Number	22122878-6			

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		Application Number	09/682,363		
IN	FORMATION DISCLOSURE	Filing Date	8/24/2001		
	TATEMENT BY APPLICANT	First Named Inventor	Anthony C. Zuppero		
3	(Use as many sheets as necessary)	Art Unit	1753		
	(Use as many sheets as necessary)	Examiner Name	Alan D. Diamond		
Sheet	of	Attorney Docket Number	22122878-6		

	_	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
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Application Number	09/682,363	
Filing Date	8/24/2001	
First Named Inventor	Anthony C. Zuppero	
Art Unit	1753	
Examiner Name	Alan D. Diamond	
Attorney Docket Number	22122878-6	

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
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Anthony C. Zuppero Art Unit 1753 (Use as many sheets as necessary) **Examiner Name** Alan D. Diamond Attorney Docket Number 22122878-6 Sheet

Cite No. <sup>1</sup>	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
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	A	US-4045359	08-1977	Fletcher et al.	
	в	US-4407705	10-1983	Garscadden et al.	
	- c	US-5932885	08-1999	DeBellis et al.	
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Application Number	09/682,363				
Filing Date	8/24/2001				
First Named Inventor	Anthony C. Zuppero				
Art Unit	1753				
Examiner Name	Alan D. Diamond				
Attorney Docket Number	22122878-6				

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Examiner Initials		Document Nümber Number - Kind Code <sup>2</sup> (if known	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
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